Draco vario Extender
Series 474
Add-on module with RS422 and analog audio

PRODUCT INFORMATION

Function
The add-on module provides serial data and analog audio transmission to KVM extender systems. The RS422 interface supports differential full duplex transmission with up to 115,200 Baud. The signals are transmitted within the main board’s KVM data stream. No additional Cat X or fiber link is required.

Application
While the CPU unit assumes the function of a controlling device and can be connected directly to video or media servers, the CON unit is designed as a controlled device and allows direct connection to remote controllers (e.g. EVS LSM controllers). The analog audio interface supports parallel, bidirectional stereo audio. In addition, the signal of a sound card or other line level device can be transmitted. Active loudspeakers, microphone, headset etc. can be connected to the CON Unit.

Installation
The module is designed as a half-slot width card to be combined with other add-on modules, e.g. USB 2.0 devices. This provides a significant increase in functionality and flexibility. The Draco vario system allows flexible mounting of modules on all main modules and in all Draco vario chassis.

PRODUCT FEATURES

- Enables serial data transmission between workstation (CON Unit) and computer (CPU Unit)
- Transmission embedded into the data stream of the main module, no additional port on the matrix required (function is also given over matrix)
- Baud rate up to 115,200 Baud
- Line Level interface
**Draco vario Extender**

**Add-on module with RS422 und analog audio**

---

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Part No.</th>
<th>L474-BSX (CPU)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R474-BSX (CON)</td>
</tr>
</tbody>
</table>

#### Serial Interface (RS422)
- Connection format: Sony Standard
- Speed: Up to 115,200 baud
- Data format: Format-independent
- Data transmission:
  - Rx + (Receive Data)
  - Rx − (Receive Data)
  - Tx + (Transmit Data)
  - Tx − (Transmit Data)

#### Analog Audio
- Transmission type: Digitizes virtually CD quality audio (16 bit, 38.4 kHz)
- Signal level: Line Level (5 Volt Pk-Pk Maximum)
- Input impedance: 47 kOhm
- Output impedance: 250 Ohm
- Connection CPU Unit: 2x 3.5mm stereo jack plug (Audio IN & Audio OUT)
- Connection CON Unit: 2x 3.5mm stereo jack plug (Audio IN & Audio OUT)
- Maximum distance:
  - Cat X: 140 m
  - Multimode: 1,000 m
  - Single-mode (9µ): 10,000 m

#### Power consumption
- CPU: 70 mA
- CON: 70 mA

---

### FUNCTIONAL DIAGRAM

---

### ORDER NUMBERS

- L474-BSX
- R474-BSX

These models can also be extended by additional half-sided modules, for example USB 2.0 embedded or USB-HID. Combinations available on request.